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NPIC/R-856/64 September 1964 TCS-7887/64 Copy

2 Pages

PHOTOGRAPHIC INTERPRETATION BRIEF

HF COMMUNICATIONS FACILITY TYUMEN ICBM COMPLEX, USSR

Declass Review by NIMA/DOD



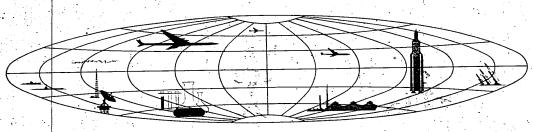


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NATIONAL PHOTOGRAPHIC INTERPRETA	Geo Coords: 56-53-30N 65-49-4	COMOR No: OE None	Publication No: NPIC/R-856
HF Communications Facility, Tyumen ICBM Complex, USSR	NPIC Target No: None	BE No: None	Date: September :
Photo Dat			:
References: USATC, Series 200, Sheet 0156- NPIC Project N-843/64 (NSA/P	20HL, 2d ed, Apr 63 (S 0432/R87-64)	BECRET)	1
A high-frequency (HF) communication cility, situated 2 nm west of Bogandinska the Tyumen ICBM Complex support from two HF half-wave single-bay freceiving antennas (apparently 2-2-2 contion), a single HF horizontal dipole antenna unidentified possible antenna (Fig.	ya near Frequestacility, able measu inherent an both fishbon bility with the pure 1), cycles (mc	rements (Table stenna characte ne antennas ha a useful range). Because of	s, based on ob- e 1) and on asseristics, 5/ income a broadband from 3 to 13 r photographic li ge of the hori:
with the Tyumen ICBM Complex. 1/ No building can be seen, but the logical are probable future location appears to be cleared. The earliest definite evidence of this occurs on photography of which clearings for the antennas can	control assuming arrangement damental from the parallel sfacility 7, 14, and frequencies be seen.	the antenna to nt, its measure requency of 3.5 tuned to oper 28 mc. This re	roximated; how on have a center ments indicate mc. As such, it ate multiband a large amply coverth day and nig
There is no indication of activity in the	Table 1. Selected Data	25X1D	
Antenna Azimuth Type (degrees,		Width et between e poles	Probable Frequency (mc)
Fishbone (2) 278 Horizontal 275 dipole	315 130	195	3-13 3-5 (fundamental 7, 14, and 28

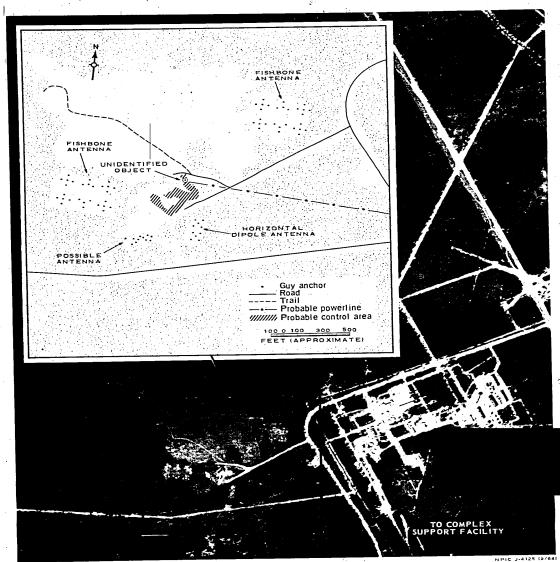
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5. Laport, Radio Antenna Engineering, p 340, New York, McGraw Hill, 1952 (UNCLASSIFIED)

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FIGURE 1. HF COMMUNICATIONS FACILITY, TYUMEN ICBM COMPLEX.

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